

WHAT IS CLAIMED

(a) generating, from at least location of the monitored environment that is proximate to a region which a tagged object may enter, a magnetic field encoded with information intended for a tag entering said region; and

(b) at a tag that has entered said region,
detecting said magnetic field and causing said tag to
perform a prescribed function.

2. A method according to claim 1, wherein step (b) comprises causing said tag to change the repetition rate of RF transmissions therefrom.

3. A method according to claim 1, wherein step (b) comprises causing said tag to increase the repetition

8. An arrangement for controlling the operation of a system for geolocating objects within a monitored environment, wherein RF transmissions from tags associated with said objects are detected at a plurality of spaced apart monitoring locations containing tag transmission readers, and outputs of said tag transmission readers are coupled to an object location processor, which processes said outputs of said tag transmissions to geolocate said tags and thereby their associated objects within said monitored environment, said arrangement comprising:

at least one magnetic field generator located proximate to a region which a tagged object may enter, and being operative to generate a magnetic field encoded with information intended for a tag entering said region; and

a magnetic field receiver installed on said tag and being coupled with RF transmission circuitry of said tag, and being operative, in response to detecting said magnetic field, to cause said tag to perform a prescribed function.

9. An arrangement according to claim 8, wherein said magnetic field receiver is operative to cause said tag to change the repetition rate of RF transmissions therefrom.

10. An arrangement according to claim 8, wherein
said magnetic field receiver is operative to cause said
tag to increase the repetition rate of RF transmissions
therefrom while said tag is proximate to said region, and
5 to cause said tag to revert to its previous repetition
rate after said tag is no longer proximate to said
region.

11. An arrangement according to claim 8, wherein
said at least one magnetic field generator comprises a
distribution of magnetic field generators proximate to
said region, which are operative to generate a plurality
5 of magnetic fields encoded with said information and
provide complete spatial coverage for said region
irrespective of the orientation of said tag.

12. An arrangement according to claim 9, wherein
said region comprises a passageway connecting separate
portions of, or has mobility within, said monitored
environment.

13. An arrangement according to claim 9, wherein
said at least one magnetic field generator is operative
to frequency shift key encode a magnetic field generated
thereby in accordance with said information.

14. An arrangement according to claim 9, wherein said magnetic field is capable of penetrating media that block radio signals.

15. An arrangement according to claim 9, wherein said magnetic field generator is capable of programming said tag.

16. An arrangement according to claim 9, wherein said magnetic field generator is configured to selectively address multiple tags or individual tags located proximate to said region.

17. For use with a system for geolocating objects within a monitored environment, wherein RF transmissions from tags associated with said objects are detected at a plurality of spaced apart monitoring locations containing
5 tag transmission readers, and outputs of said tag transmission readers are coupled to an object location processor, which processes said outputs of said tag transmissions to geolocate said tags and thereby their associated objects within said monitored environment, an
10 arrangement for controlling the operation of a tag that comes within a prescribed proximity of prescribed region of said monitored environment, said arrangement comprising:

at least one magnetic field generator located
 15 proximate to said region and being operative to generate
 at least one magnetic field modulated with information
 used to control the operation of said tag; and

a magnetic field receiver installed on said tag and
 being coupled with RF transmission circuitry of said tag,
 20 and being operative, in response to detecting information
 modulated on said at least one magnetic field by said at
 least one magnetic field generator, to cause said tag to
 increase the rate of RF transmissions thereby.

18. An arrangement according to claim 17, wherein
 said at least one magnetic field generator comprises a
 distribution of magnetic field generators proximate to
 said region, which are operative to generate a plurality
 5 of limited range magnetic fields encoded with said
 information and arranged to provide complete magnetic
 field spatial coverage for said region irrespective of
 the orientation of said tag.

19. An arrangement according to claim 18, wherein
 said region comprises one of a passageway connecting
 separate portions of or has mobility within said
 monitored environment.

20. An arrangement according to claim 18, wherein

said at least one magnetic field generator is operative
to frequency shift key encode at least one magnetic field
generated thereby in accordance with said information.

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